

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A transmission device comprising:

a modulator for modulating data by a plurality of modulation methods; and

a transmitter for transmitting a radio signal by using a plurality of carrier frequencies,

wherein the transmission device transmits the data by changing a transmission communication method to another method following a lapse of time, which transmission communication method is formed by combining one of the modulation methods and one of the carrier frequencies, and

wherein the transmission device is configured to transmit the data repeatedly without changing the transmission communication method during a time period in which a receiving device is configured to sequentially switch through a plurality of different reception communication methods, each of the plurality of different reception communication methods formed by combining a respective one of a plurality of different demodulation methods and a respective one of the plurality of carrier frequencies at different times during the time period, each of the plurality of different reception communication methods formed of respectively different combinations of the different demodulation methods and carrier frequencies.

2. (Previously Presented) The transmission device of claim 1 further comprising:

a switcher of a transmission method, wherein at least one of the modulator or the transmitter is available in plural pieces, and the switcher switches the plural modulators or transmitters for switching the transmission communication method.

3. (Cancelled).

4. (Original) The transmission device of claim 1 further comprising:

a transmission communication method notifying section for notifying another device of a communication method desirable to be used on the transmission side; and

a communication receivable method reply receiver for receiving a reply whether or not to receive the data by the communication method notified,

wherein the transmission device transmits data thereafter by the communication method accepted by the another device to this another device.

5. (Previously Presented) The transmission device of claim 1 further comprising:

a data divider for dividing data into a plurality of pieces of data and putting each one of those plurality of pieces of the data a number to identify an order of each piece of the data in original data, wherein the lapse of time indicates a lapse based on information about the order.

6. (Previously Presented) The transmission device of claim 5 further comprising:

a re-transmission request receiver for receiving a request of re-transmitting a missing piece of the data from another device, wherein the transmission device re-transmits the missing part of the divided data based on the request.

7. (Original) The transmission device of claim 6, wherein the transmission device receives, at the re-transmission request receiver, information about a reception communication method available in the another device together with the re-transmission request, then the transmission device re-transmits the missing piece of the data requested re-transmission by an available communication method among the transmission communication methods corresponding to the communication methods available on the reception side, and when the transmission device receives an acknowledgement from the another device of the missing piece of the data re-transmitted based on the request, the transmission communication method used for

successful re-transmission of the missing piece of divided data can be used for transmitting pieces of divided data thereafter.

8. (Previously Presented) The transmission device of claim 1 further comprising:

a demodulator for demodulating data by the plurality of demodulation methods; and

a receiver for receiving a radio signal with the plurality of carrier frequencies,

wherein the transmission device receives data by changing the reception communication method following a lapse of time, , then

wherein the transmitter transmits the data together with information about a reception communication method desirable to be changed, then

wherein the receiver waits and receives information to be transmitted from another device by a communication method corresponding to the communication method desirable to be changed.

9. (Original) The transmission device of claim 8, wherein the information showing the communication method desirable to be changed is encrypted.

10. (Original) The transmission device of claim 9 including an identifying mark for identify the transmission device, wherein the identifying mark is used as a part of a key for the encryption.

11. (Currently Amended) A reception device comprising:

a demodulator for demodulating data by a plurality of demodulation methods;
and

a receiver for receiving a radio signal with a plurality of carrier frequencies

wherein the reception device receives the data by changing a reception communication method following a lapse of time, ~~the reception communication~~ |

~~method is formed by combining one of the plurality of demodulation methods and one of the plurality of carrier frequencies, and~~

wherein the reception device is configured to sequentially switch through a plurality of different reception communication methods while a transmission device is configured to transmit the data repeatedly without changing a transmission communication method during a time period, the transmission communication method formed by combining a respective one of a plurality of different modulation methods and a respective one of the plurality of carrier frequencies, each of the plurality of different reception communication methods formed by combining a respective one of a plurality of different demodulation methods and a respective one of the plurality of carrier frequencies at different times during the time period, each of the plurality of different reception communication methods formed of respectively different combinations of the different demodulation methods and carrier frequencies.

12. (Previously Presented) The reception device of claim 11 further comprising:

a switcher of a transmission method, wherein at least one of the demodulator or the receiver is available in plural pieces, and the switcher switches the plural demodulators or receivers for switching the reception communication method.

13. (Original) The reception device of claim 11 further comprising:

a transmission communication method receiver for receiving a transmission communication method notified, as a desirable method to be used, by another device that has transmitted the data;

a communication receivable method selector for selecting a communication receivable method from among transmission side methods received at the transmission communication method receiver and desirable to be used; and

a communication receivable method replying section for informing the another device of a communication receivable method selected by the communication receivable method selector.

14. (Original) The reception device of claim 13, wherein the reception device divides original data into a plurality of pieces of data, puts information about an order in the original data to each one of the plurality of pieces of data, and changes a combination of a modulation method and a carrier frequency following a lapse of time in response to every piece of data for transmission, then receives each piece of data transmitted at the receiver,

wherein the reception device includes a data restoring section for restoring each piece of data received at the receiver into the original data based on the information about an order.

15. (Original) The receiver of claim 14, wherein the receiver judges which piece of data is missing based on the information about an order denoted to each piece of data, wherein the receiver includes a re-transmission request transmitter for requesting re-transmission of the missing piece of data.

16. (Original) The reception device of claim 15, wherein when the reception device fails in receiving the missing piece of data after the request of re-transmission, the re-transmission request transmitter requests re-transmitting the missing piece of data by a transmission communication method corresponding to another reception communication receivable method.

17. (Previously Presented) The reception device of claim 16 further comprising:

an acknowledgement transmitter for transmitting an acknowledgement together with information about a reception communication method successfully receiving the missing piece of data requested re-transmission.

18. (Previously Presented) The reception device of claim 11 further comprising:

a modulator for modulating data by a plurality of modulation methods; and

wherein when the receiver receives the data together with information about a reception communication method desired by another device to change, a transmitter

of the transmission device transmits data by switching the transmission communication method, to a method corresponding to the reception communication method desired to change.

19. (Original) The reception device of claim 18, wherein the information about the reception communication method desired to change is encrypted.

20. (Original) The reception device of claim 19 including an identifying mark for identify the another device, wherein the identifying mark is used as a part of a key for the encryption.

21.-35. (Cancelled).